

3.600

Permit # 218912

JOHN ASHCROFT
Governor

G. TRACY MEHAN III
Director

Demolition
Eng file



STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

DEPARTMENT OF NATURAL RESOURCES
Division of Environmental Quality
St. Louis Regional Office
10805 Sunset Office Drive, Suite 100
ST. LOUIS, MO 63127

March 25, 1991

Mr. Randy Anderson
Laidlaw Waste Systems, Inc.
13570 St. Charles Rock Road
Bridgeton, MO 63044

Dear Mr. Anderson:

Enclosed are reports of an inspection conducted at the West Lake Sanitary and Demolition Landfills by Mr. Joe Trunko of my staff. The reports contain recommendations which the inspector has determined are warranted based on his findings at the facilities.

Please review the reports and implement the recommendations presented. Should you have any questions or comments, please contact Joe Trunko at this office.

Sincerely,

ST. LOUIS REGIONAL OFFICE

Robert S. P. Eck

Robert S. P. Eck
Regional Administrator

RSPE/JLT/cc

Enclosures

cc: WMPS ✓
St. Louis County DOCHMC

Record
Division of Environmental Quality
Division of Geology and Land Survey
Division of Management Services
Division of Parks, Recreation,
and Historic Preservation

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|--------------------|
| Sub: West Lake LDF |
| ID# M8D019900932 |
| Book: 11.2 |
| Other: A61 2 |
| 3-25-91 |

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WASTE MANAGEMENT PROGRAM
MISSOURI DEPARTMENT OF
NATURAL RESOURCES

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DNR 0022

3.600 St. Louis County
West Lake DLF

SOLID WASTE FACILITY INSPECTION REPORT

FACILITY

West Lake Demolition Landfill
St. Louis County
MDNR Permit #218912

INTRODUCTION

On March 19, 1991, the above-referenced facility was inspected for compliance with regulations pursuant to the Missouri Solid Waste Management Law. Mr. Joe Trunko, Environmental Specialist, represented the Missouri Department of Natural Resources, St. Louis Regional Office.

FINDINGS

1. Inadequate cover had been applied to the landfill.

DISCUSSION

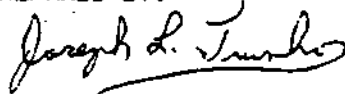
The northwest side of the landfill had recently been recovered and regraded. Several stockpiles of cover material were also noted on the west side of the landfill. However, a large amount of exposed waste were observed on the other side slopes as well as on the top of the landfill. Weekly cover is applied every Saturday when the landfill closes. Insure that a minimum of twelve (12) inches of compacted cover is applied at that time. Further, the landfill should be recovered and regraded as needed.

RECOMMENDATIONS

1. Within 15 days, recover and regrade all areas of exposed waste on the landfill. Insure that a minimum of twelve inches of compacted cover is applied on a weekly basis.

Questions concerning this report should be addressed to the undersigned.

PREPARED BY:



Joseph L. Trunko
Environmental Specialist II

JLT/cc



MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
DEMOLITION LANDFILL INSPECTION CHECKLIST

TYPE OF INSPECTION **2**

GENERAL INFORMATION

| | | |
|------------------------------------------------------|-------------------------------------------|---------------------------------------------|
| DATE OF INSPECTION March 9, 1991 | DAYS/WEEK OPEN 6 | TIME OF ARRIVAL 10:30 p.m. |
| WEATHER Partly Cloudy, Warm | TEMPERATURE 65°F | |
| FACILITY NAME Westlake Demolition Landfill | COUNTY St. Louis | PERMIT NUMBER 218712 |
| OWNER Laidlaw Waste Systems, Inc. | TELEPHONE NUMBER (314) 737-1719 | |
| ADDRESS 13570 St. Charles Rock Road | CITY Bridgeton | STATE Mo ZIP CODE 63044 |
| OPERATOR Same as owner | TELEPHONE NUMBER " | |
| ADDRESS " | CITY " | STATE " ZIP CODE " |

| | |
|----------------------------------------------------------------------------------|-----------------------------------------------|
| II REMAINING LIFE OF LANDFILL | AREA SERVED |
| A. Estimated quantity of waste accepted, 150 <u>yards or tons/week</u> | A. Cities: Various municipalities |
| B. Estimated life of remaining landfill, 2 years. | B. Counties: St. Louis, St. Charles |
| C. Fixed operating term date, N/A | |

NOTE ► Check all subsections: SAT-Satisfactory or UNS-Unsatisfactory. If necessary, describe "UNS" violations under "Remarks."

| | SAT | UNS |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| 10 CSR 80-2.020 PERMIT ISSUANCE, SPECIAL OPERATING PERMITS AND PERMIT EXEMPTION | | |
| (5)(E) SITE CONSTRUCTED AND OPERATED PER TERMS AND CONDITIONS OF PERMIT. | <input checked="" type="checkbox"/> | |
| 10 CSR 80-2.060 CERTIFIED SOLID WASTE TECHNICIANS | | |
| (2)(A) CERTIFIED SOLID WASTE TECHNICIAN. | <input checked="" type="checkbox"/> | |
| 10 CSR 80-4.010 DEMOLITION LANDFILL DESIGN AND OPERATION | | |
| (2) SOLID WASTE ACCEPTED | | |
| (2)(C) SOLID WASTES ACCEPTED DISPLAYED AT THE SITE ENTRANCE. | <input checked="" type="checkbox"/> | |
| (3) SOLID WASTE EXCLUDED AND SPECIAL WASTE APPROVALS | | |
| (3)(C)1. DISPOSAL OF SPECIAL WASTES APPROVED IN THE PERMIT IN ACCORDANCE WITH APPROVED PLANS. | <input checked="" type="checkbox"/> | |
| (3)(C)2.A. WRITTEN APPROVAL FOR SPECIAL WASTE NOT APPROVED IN PERMIT. | <input checked="" type="checkbox"/> | |
| (3)(C)2.B. APPROVED SPECIAL WASTE DISPOSED OF PROPERLY. | <input checked="" type="checkbox"/> | |
| (3)(C)3. PROCEDURES FOR SCREENING AND REMOVAL OF EXCLUDED WASTES IMPLEMENTED. (at ticket office) | <input checked="" type="checkbox"/> | |
| (4) SITE SELECTION | | |
| (4)(C)1. SITE ACCESSIBLE IN ALL WEATHER CONDITIONS. TEMPORARY ROADS PROVIDED TO WORKING FACE. | <input checked="" type="checkbox"/> | |
| (4)(C)2. IF ACCESS ROADS ARE FLOODED, ALTERNATE LANDFILL IS AVAILABLE. NAME: Westlake SLP | <input checked="" type="checkbox"/> | |
| (5) DESIGN | | |
| (5)(C)1. CONSTRUCTION AND OPERATION OF THE SITE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS. | <input checked="" type="checkbox"/> | |
| (5)(C)2. MINIMUM 50-FOOT BUFFER ZONE MAINTAINED. | <input checked="" type="checkbox"/> | |
| (5)(C)3. OPERATING MANUAL AVAILABLE. | <input checked="" type="checkbox"/> | |
| (6) SURVEY CONTROLS | | |
| (6)(C)1. BOUNDARY MARKERS, BENCHMARKS, AND HORIZONTAL CONTROL STATIONS CLEARLY MARKED AND IDENTIFIED. | <input checked="" type="checkbox"/> | |
| (6)(C)2. MISSING OR DISPLACED BENCHMARKS OR HORIZONTAL CONTROL STATIONS REESTABLISHED. | <input checked="" type="checkbox"/> | |
| (6)(C)3. MISSING OR DISPLACED CONSTRUCTION STAKES REESTABLISHED. | <input checked="" type="checkbox"/> | |
| (6)(C)4. MONUMENTS AND BOUNDARY MARKERS PLACED PRIOR TO RECEIVING AUTHORIZATION TO OPERATE. | <input checked="" type="checkbox"/> | |
| (6)(C)5. CONSTRUCTION STAKES MARKING THE ACTIVE AREA PLACED PRIOR TO DEPOSITION OF WASTE. | <input checked="" type="checkbox"/> | |
| (7) WATER QUALITY | | |
| (7)(C)1. SURFACE WATERCOURSES & RUNOFF PROPERLY DIVERTED. CONSTRUCTION & GRADING TO PROMOTE RUNOFF WITHOUT EXCESSIVE EROSION. | <input checked="" type="checkbox"/> | |
| (7)(C)2. CONTACT BETWEEN WATER AND SOLID WASTE MINIMIZED. | <input checked="" type="checkbox"/> | |
| (7)(C)5. LEACHATE GENERATED ON-SITE CONTROLLED ON-SITE & NOT ALLOWED TO DISCHARGE OFF SITE OR INTO WATERS OF THE STATE. | <input checked="" type="checkbox"/> | |
| GROUND-WATER MONITORING | | |
| (8)(C)1.B. GROUND-WATER MONITORING WELLS OPERATIONAL PRIOR TO ACCEPTANCE OF WASTE. | N/A | <input checked="" type="checkbox"/> |
| (9) AIR QUALITY | | |
| (9)(C) BURNING OF SOLID WASTE PROHIBITED UNLESS A BURNING PERMIT IS OBTAINED. | <input checked="" type="checkbox"/> | |

| | | SAT | UNS |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| (10) GAS CONTROL | | | |
| (10)(C)1 | DECOMPOSITION GAS CONTROL SYSTEMS IMPLEMENTED AS NECESSARY. | ✓ | |
| (10)(C)2 A | METHANE NOT ALLOWED TO CONCENTRATE IN BUILDINGS ON-SITE ABOVE 25 PERCENT LEL. | ✓ | |
| (10)(C)2.B | METHANE NOT ALLOWED TO CONCENTRATE IN THE SOIL AT THE PROPERTY BOUNDARY ABOVE 5 PERCENT LEL. | ✓ | |
| (10)(C)3. | DECOMPOSITION GAS MONITORING RESULTS SUBMITTED TO THE DEPARTMENT AS REQUIRED. | ✓ | |
| (11) VECTORS | | | |
| (11)(C) | VECTOR CONTROL PROGRAMS IMPLEMENTED. | ✓ | |
| (12) AESTHETICS | | | |
| (12)(C)1 | LITTER CONTROL DEVICES USED AS NEEDED. LITTER COLLECTED AND INCORPORATED INTO THE ACTIVE CELL AT THE END OF EACH DAY OR PLACED IN CONTAINERS. | ✓ | |
| (12)(C)2. | WASTES EASILY MOVED BY WIND COVERED AS NECESSARY. | ✓ | |
| (12)(C)3. | ON-SITE VEGETATION CLEARED ONLY AS NECESSARY | ✓ | |
| (12)(C)4 | SALVAGED MATERIALS REMOVED DAILY OR STORED IN AESTHETICALLY ACCEPTABLE CONTAINERS. | ✓ | |
| (13) COVER | | | |
| (13)(C)1. | TWELVE (12) INCHES COMPACTED SOIL COVER APPLIED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS. | (U) | ✓ |
| (13)(C)2. | FINAL COVER APPLIED TO COMPLETED AREAS. | ✓ | |
| (13)(C)3. | FINAL SIDE SLOPES NOT TO EXCEED 33.3 PERCENT. | ✓ | |
| (13)(C)4. | VEGETATION ESTABLISHED WITHIN 180 DAYS OF APPLICATION OR REGRADING OF COVER. | ✓ | |
| (13)(C)5. | REGRADING AND RECOVERING AS NECESSARY. | ✓ | |
| (14) COMPACTION | | | |
| (14)(C)1. | SOLID WASTE HANDLING EQUIPMENT ON-SITE AND OPERATED AS NECESSARY. | ✓ | |
| (14)(C)1.A. | SOLID WASTE TO BE SPREAD IN LAYERS NO MORE THAN TWO FEET THICK, & CONFINED TO SMALLEST PRACTICAL AREA. | ✓ | |
| (14)(C)1.B | WASTE COMPACTED TO SMALLEST PRACTICAL VOLUME. | ✓ | |
| (14)(C)1.C. | COVER COMPACTED AS MUCH AS PRACTICAL. | ✓ | |
| (14)(C)2. | SOLID WASTE SPREAD & COMPACTED AT LEAST WHEN THE ACCUMULATED WASTE REACHES 200 CUBIC YARDS. | ✓ | |
| (14)(C)3. | PREVENTIVE MAINTENANCE PERFORMED ON EQUIPMENT. | ✓ | |
| (14)(C)4. | SOLID WASTE NOT DISPOSED OF IN WATER. | ✓ | |
| (15) SAFETY | | | |
| (15)(C)1. | FIRE EXTINGUISHERS PROVIDED. | ✓ | |
| (15)(C)2. | ALL FIRES IN WASTES BEING DELIVERED, AT THE WORKING FACE OR WITHIN EQUIPMENT EXTINGUISHED. | ✓ | |
| (15)(C)3. | SCAVENGING PROHIBITED. | ✓ | |
| (15)(C)4. | CONTROLLED ACCESS TO SITE BY ESTABLISHED ROADWAYS & LIMITED TO HOURS WHEN OPERATING PERSONNEL ARE ON DUTY. | ✓ | |
| (15)(C)5. | TRAFFIC CONTROLLED AND DIRECTED TO DESIGNATED DISPOSING POINTS. | ✓ | |
| (15)(C)6. | SITE DUST CONTROLLED. | ✓ | |
| (16) RECORDS | | | |
| (16)(C)1.A. | RECORDS OF MAJOR PROBLEMS AND COMPLAINTS. | ✓ | |
| (16)(C)1.B. | RECORDS OF DATES OF COVER MATERIAL APPLICATION. (Every Saturday at Noon) | ✓ | |
| (16)(C)1.C. | RECORDS OF QUALITATIVE AND QUANTITATIVE EVALUATION OF THE ENVIRONMENTAL IMPACT OF THE LANDFILL. | ✓ | |
| (16)(C)1.D. | RECORDS OF VECTOR CONTROL EFFORTS. | ✓ | |
| (16)(C)1.E. | RECORDS OF DUST AND LITTER CONTROL EFFORTS. | ✓ | |
| (16)(C)1.F. | RECORDS OF QUANTITY OF WASTE RECEIVED. | ✓ | |
| (16)(C)1.G. | RECORDS OF QUANTITY OF WASTE HANDLED. TOPOGRAPHIC MAP SUBMITTED EVERY FIVE YEARS. | ✓ | |
| (16)(C)1.H. | RECORDS OF DESCRIPTION, SOURCES, AND VOLUME OF SPECIAL WASTES LISTED IN SUBSECTION (3)(A). | ✓ | |
| OTHER DESIGN SPECIFICATIONS | | | |
| (7)(C)3. | LEACHATE COLLECTION SYSTEM PROPERLY INSTALLED AND OPERATED. | N/A | ✓ |
| (7)(C)4. | LINER CONSTRUCTED BY APPROVED DESIGN. | N/A | ✓ |
| (8)(C)1.A. | GROUND-WATER MONITORING WELLS INSTALLED. | N/A | ✓ |
| (13)(C)6. | BORROW AREAS RECLAIMED. | ✓ | |

REMARKS

- (1) Exposed waste on most sides of landfill as well as on top. Northwest side had been regraded & recovered. Additional cover needs to be applied to these areas.
- (2) Most incoming loads still being diverted to Sanitary landfill.

SIGNATURE OF INSPECTOR

Joseph L. Lumbly

OFFICE

St. Louis Regional



MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
SOLID WASTE AND RECOVERED MATERIALS DATA SHEET

| | | |
|-----------------------------------------|-------------------------------------|--------------------------------------|
| NAME OF FACILITY <u>Westlake DLF</u> | | PERMIT NUMBER <u>218412</u> |
| DATE <u>March 19, 1991</u> | REGIONAL OFFICE <u>St. Louis</u> | INSPECTOR <u>Joseph L. Trunko</u> |

| | | |
|-------------------------------|-------------------------|---------------------------|
| TIPPING FEES | | |
| CUBIC YARD <u>\$ 10.50</u> | PICKUP LOAD <u>—</u> | WHITE GOODS <u>N/A</u> |
| TON <u>—</u> | CAR LOAD <u>—</u> | TIRES <u>N/A</u> |

| APPLICABLE * | TYPE OF MATERIAL RECOVERED | AMOUNT RECOVERED/MONTH CUBIC YARDS OR TONS | AMOUNT RECYCLED/MONTH CUBIC YARDS OR TONS |
|--------------|-------------------------------------------------------------|--------------------------------------------|-------------------------------------------|
| <u>N/A</u> | ALUMINUM Cans Scrap | | |
| | OTHER METAL Ferrous Non-Ferrous | | |
| | PAPER Newspaper Corrugated Computer/White Mixed | | |
| | GLASS Clear Mixed | | |
| | PLASTIC Milk Jugs Soda Bottles Mixed | | |
| | CAR BATTERIES | | |
| | TIRES | | |
| | WHITE GOODS | | |
| | COMPOST FROM YARD WASTE | | |
| | COMPOST FROM SOLID WASTE | | |

NOTE

* CHECK IF APPLICABLE
PRINT "N/A" IF NOT APPLICABLE